

Model	GIV-AIO- AC-13.5-6.0	GIV-AIO- AC-13.5-8.0	GIV-AIO- AC-13.5-10.0	GIV-AIO- AC-13.5-11.0	GIV-AIO- AC-13.5-12.0
Internal Battery					
Battery type	Li-ion				
Operating voltage range	260-346 Vd.c.				
Nominal voltage	307.2 Vd.c.				
Max. charging/ discharging current	25A ¹ /41A	25A ¹ /41A	25A ¹ /41A	25A ¹ /41A	25A ¹ /41A
Rated Capacity	52Ah	52Ah	52Ah	52Ah	52Ah
Max. battery charging/ discharging power	6,000W ² / 12,600W	6,000W ² / 12,600W	6,000W ² / 12,600W	6,000W ² / 12,600W	6,000W ² / 12,600W
Design Energy	15,974.4 Wh				
Battery communication	CAN				
Expansion Battery					
Battery type	Li-ion				
Operating voltage range	260-346 Vd.c.				
Nominal voltage	307.2 Vd.c.				
Max. charging/ discharging current	25A ¹ /41A	25A ¹ /41A	25A ¹ /41A	25A ¹ /41A	25A ¹ /41A
Rated Capacity	52Ah	52Ah	52Ah	52Ah	52Ah
Battery communication	CAN				
Input/Output Data (AC, On-grid)					
Rated AC output power	6,000W	8,000W	10,000W	11,000W	12,000W
Max. apparent power	6,000VA	8,000VA	10,000VA	11,000VA	12,000VA
Nominal off-grid power	12,000VA	12,000VA	12,000VA	12,000VA	12,000VA
Peak power (10s, off-grid)	14,400VA	14,400VA	14,400VA	14,400VA	14,400VA
Rated/Max. output current	26A	34.8A	43.5A	47.8A	52A
Nominal grid voltage/ range	230 V.a.c (180 to 270 V.a.c)				
Nominal frequency/range	50 /60Hz; ±5Hz				
Power factor (@full load)	>0.99				
Power factor range	0.8 lagging - 0.8 leading				
THDI (@rated power)	<3%				
AC output type	Single phase				

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General Data					
Battery Max. charging/ discharging efficiency	96.5%				
PV max. efficiency	97.1%	97.1%	97.3%	47.8A	52A
Euro efficiency	96.6%	96.6%	96.8%	96.8%	97%
MPPT efficiency	99.90%				
Protection Degree	IP65				
Protection Class	I				
Overvoltage category	Battery: II, AC: III				
Inverter topology	Transformer-less				
Cooling	Smart Fan Cooling				
Noise emission (typical)	50dB Typical				
Operation temperature	-20~+50°C ¹				
Relative humidity	0~100%, non-condensing				
Altitude	4000m (Derating above 2000m)				
Dimensions (WxHxD)	600W*950H*280D (mm)				
Weight	/				
Self-consumption	<15W				
Number of parallel operation	3				
Display	LED &&APP				
Communication	RS485/WIFI/4G inside				
Warranty	10				
Certificates	/				

¹ Max. charging/discharging current (AIO with up to 2 or 3 Expansion units):41A/41A

² Max. charging/discharging Power (AIO with up to 2 or 3 Expansion units):12,000W/12,600W